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# Mv1c User Manual

Please read this manual carefully before attempting installation
and illustration purposes only

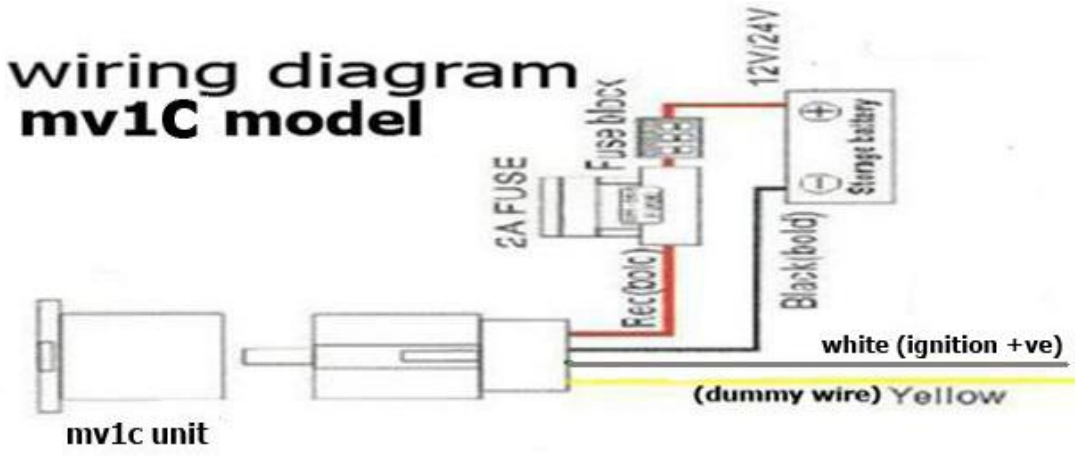
**1: Feature:**

GSM850/900/1800/1900 Quad band
Easy voice instructing function
Wide for voltage inpute rang:9-100V DC
Check location via SMS
Built-in vibration sensor ,
Voice monitor function
Alarm when the power supply is disconnected intentionally(with backup battery)

**2: LED light status**

| Clor | Status | Means |
|---|---|---|
| Red | Flashing | GSM working normally |
| | Continuously in bright | GSM calling/GPRS start |
| | | |
| Blue | Flashing | GPS is find the signal |
| | Continuously in bright | GPS found the signal |

**3: equipment Wiring Precautions**




## 4. Getting Started

Please follow below instructions for ensuring safe and correct use.

### 4.1 Install the SIM card

Place the SIM card into the device with the gold-colored side facing down.

Note: Make sure there is enough credit on the SIM card. If you will be using the GPRS function, you should pay attention to the current SIM card GPRS charge.

### 4.2 Install the device

You need to choose somewhere that it won't be found, because the whole point of fitting covert GPS vehicle tracker is the secrecy element.

Installation please refers to below picture.

NOTE:
1. Any high power devices such as reversing radar, anti-theft device or communication equipment would affect the signal of the device.

2. All metallic cases of the windshield will attenuate the signal on the tracking device. It's simply due to the shielding effects of the metal compound of the case.

## 5. Quick Operation Instructions

Operation Tips: To properly use the device, common parameters should be set before initial use. This can be done by using the parameter editor or by sending SMS commands to the device. (","should be English comma and no space before and after the comma)

### 5.1 Add specific number

SMS command to the device to set the SOS number.
**SOS,A,No.1,No.2,No.3#**
"A" means to add new numbers, for example:
SOS,A, 9700025002,7207209002,9848157002#
If there is only one SOS number, you can appoint a specific number as SOS number. And the null means no adding.
For example:
SOS,A,9700025002# means to set the first number as SOS number
SOS,A,,7207209002# means to set the second number as SOS number
SOS,A,,,9848157002# means to set the third number as SOS number

If set successfully, there is a "success" reply SMS.

### 5.2 Delete specific number

Before deleting specific number, please check its corresponding code. For the code, please SMS "**PARAM#**" to the device.
SMS command to the device to delete the number.
**SOS,D,serial NO.1,serial NO.2,serial NO.3#**
"D" means to delete the number, for example:
SOS,D,1# means to delete the first number
SOS,D,3# means to delete the third number
If you want to delete more than one numbers, you can send this command:
SOS,D,1,3# means to delete the first and third numbers.
If you forget serial number of the mobile number you want delete, you can send this command:
SOS,D,mobile number# means to delete the mobile number directly.
For example:
SOS,D,9700025002# means to delete the 9700025002 directly.
After deleting the SOS number, it will receive "Delete number 9700025002 success! specific number total 2" for successful deleting of the specific number.

### 5.3 Set the center number

If you want to cut off/restore oil by SMS command, you have to set a center number firstly. Only the center number can send the cut off/restore oil command to the device. You can set your own mobile number as center number.
The command for setting center number is:
**CENTER,A,mobile number#**
For example:CENTER,A,9700025002#
If set successfully, there is an "OK" reply message.

NOTE：Only the SOS number can be used to set center number successfully.

### 5.4 Delete the center number

SMS command to the device to delete the center number.
The command is:**CENTER,D#**
For example:CENTER,D#
If set successfully, there is an "OK" reply SMS.

NOTE：Only the SOS number can be used to delete center number successfully.
Only SOS phone number can send this command successfully to set the

center number. There is only one center number can be set.

### 5.5 Check parameter setting

Send command to the terminal, you can check the parameter setting.
Command format: **PARAM#**
e.g.: PARAM#
Information replied:
IMEI: 354419032348877 ---IMEI number of the device;
GPRS Interval: 10,10; ---GPS data uploading Interval;
TIME:20 ---the gps working time when ACC is off,the time rang from 1-999mins(default as 20min)
SOS number:.9700025002
Center number: 9700025002 only one center number can be used to cut off and restor oil
Sensor time interval:10,180; sensor detecting time,default as 10s,vibration alarm delay,default as 180s,the time rang from 10-300s
Sensor time interval:10 sensor alsrm time interval the time rang from 1-60mins,default as 10mins
TimeZone:E,8, --- set time zone; default as E8.

### 5.6 Check GPRS parameters

SMS command format：**GPRSSET#**
Eg：GPRSSET#
Reply message：
GPRS:ON //GPRS on/off status//
10002,airtelgprs,37.59.232.31,10202 //APN setting information//
Server: //platform information//
URL:http://maps.google.com/maps?q=; //preset web link setting information //
Overspeed:60,0 // over speed alarm setting information
Fence DISable // fence alarm setting information
Call alarm disable // call alarm switch information

### 5.7 GPRS time interval

The default GPRS time sending interval is 10s which means the device will

upload positioning data to the platform server every 10s. Users can modify GPRS time sending interval by SMS "**TIMER,time(second)#**".
The time ranges from 10-18000s
For example: TIMER,10#
It means the device will upload data to the server every 10s.

NOTE: To turn off GPRS function just SMS: **TIMER,0#**

### 5.8 Sensor alarm time setting

When the vehicle power is off and ACC is in low-level, if ACC is off over 10 minutes, the device will enter sensor alarm state. In this case, if the vehicle vibrates for a few times, it will activate the vibration alarm system. If the vehicle battery is still not on (ACC is in low level) after 3 minutes, the device will start vibration alarm.
SMS format: "**DEFENSE,TIME(minutes)#**" The time ranges from 1 to 60 mins.
For example: DEFENSE,15#. It means when ACC is in low level for 15mins, it will enter sensor alarm status (vehicle power is off)

NOTE:
1. Preset SOS numbers when send SMS alarm messages and calls
2. If there is no need for vibration alarm, please SMS SENSOR,0# to close it.

### 5.9 Sensor detecting time and alarm delaying time setting

**For set Sensor detecting time and alarm delaying time setting pls send SMS command:**

**SENSOR,detecting time,delaying time#( the rang is 1-999S,10-300S)**

**Forexample: if you send the command" SENSOR,10,180#" it will reply:**

**"sensor time interval:10,180" means that once the device vibrates for 10s,it will activate the vibration alarm,unless the ACC is turned on 180s**

### 5.10 Restore to factory setting

SMS command format: "**FACTORY#**" to set all parameter to default factory value. Once received "OK", it succeeds.

### 5.11 Reboot device

When there is something wrong with the link of GPRS, e.g., The parameter setting of the device is correct, but you can't track the car on the platform. At this moment you can send a command to the device to reboot the device.
The format is: **RESET#**
After receiving this command, the device will reboot after 30s.

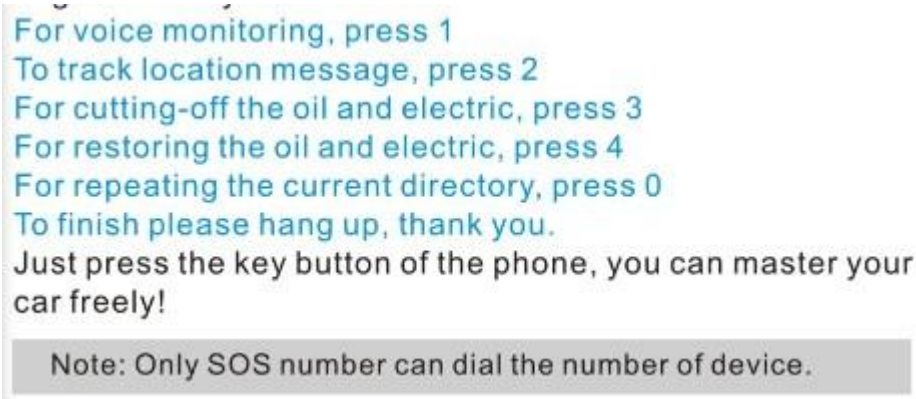
5.14 Check the mileage and clear the mileage
To check mileage,you can send SMS: **GETMILE-AGE#**
Eg: reply " the total mileage is 252KM,which mean the car has already been driven for 252KM
To clear mileage,you can send SMS: **CMILEAGE#**

### 5.15 Check the status

To check the device status,send Command: **STATUS#**
For example: reply Battery:FULL GPRS:LINK UP GSM signal level: strong gps: successful positioning ACC:on Defense: OFF Oilpower control:ON Sensitivity of Vibration:5"

## 6. Operation of device

New voice instructing for controlling main functions ,to realize this function,just use the SOS number to dial the SIM card number of device,you will enter the voice monitor-ring state and you can hear instruction like this:


For voice monitoring, press 1
To track location message, press 2
For cutting-off the oil and electric, press 3
For restoring the oil and electric, press 4
For repeating the current directory, press 0
To finish please hang up, thank you.
Just press the key button of the phone, you can master your car freely!
Note: Only SOS number can dial the number of device.

### 6.1 Power on/ Power off

Power on: Once insert a valid SIM card and connect all the wires, turn on the device, then Power LED will flash first, During signal searching process, GSM

and GPS LED will flash. Once GPS LED keeps solid light, it means the device has been located and it starts to work.
Power off: Just turn off the power switch.

### 6.2 Check location

### 6.2.1: via phone:

**Dial the number of the device by your fixed-line telephone or mobile ,and press 2 according to the voice instruction,then the device will send a localtion message(E.G:Data:14-03-04 13:23 http://maps.google.com/maps?q=17.845212,E=78.434123) to you**

Note: The location SMS from device only will be sent to mobile phone or telephone with SMS function. It can not be sent to the fixed-line telephone without SMS card.

### 6.2.2. Via SMS

1.1 SMS "**WHERE#**", to the SIM number of device. The device will send a location message automatically. You can get the coordinates. If the device does not search any information of location, it will send "No data" to the cell phone.
Example:
Lat:N22.571285,Lon:E113.877115,Course:42.20,Speed:0.0740,DateTime:10-11-23 22:28:51

**6.2.3** SMS "**URL#**", to the SIM number of device. The device will send a location Google Map link. If the device does not search any information of location, it will send "No data" to the cell phone.
Example:
<Date Time：10-11-23 23:42:51> http://maps.google.com /maps?q=N22.571490,E113.877103

### 6.2.4. Via platform

Go to www.gpstracker.net.in/gs.

## 7. Voice monitoring

7.1**Via phone**
Dial the number of the device by your fixed-line telephone or mobile,and press 1 ,then you can hear the voice around the device

Note: Only SOS number can dial the number of device.

7.2 **Via SMS**

After successfully receiving the message **LISTEN#** ,the device will call back in few minutes,just answer the phone and you will enter the voice monitoring state directly

**8. Device alarm:**

**8.1SOS alarm(option)**

In emergent case ,press SOS for 3s to activate SOS alarm.then the device will send SOS SMS to you preset specific numbers and then dial the numbers in circles until the call is through, at the meantime,the device will upload SOS alarm data to the service. And it will send:

SOS Alarm! Data time:10-11-23 23:32:12,http://maps.google.com/maps?q=N17.867238,E78.424356

Note: The specific numbers should be preset,

**8.2 Wire cut-off alarm**

When the electricity supply of device is cut off, it will activate cut-off alarm. In this case, the device will send related SMS to the specific numbers: Main power has been cut off,alarm!,Data time:10-11-23 23:23:12, http://maps.google.com/maps?q=N17.867238,E78.424356. At the meantime,the device will upload alarm data to the service,you can also send command: **CALLALARM,ON#** to open phone call alarm function and send command : **CALLALARM,OFF#** to close it

Note: Normally we don't suggest to open phone callalarm function,the specific number should be presetThe specific numbers should be preset

**8.3 Low battery alarm**

When the device is only working with battery, once the internal voltage of battery is less than 3.7V, device will send low battery alarm sms to specific number and alarm on platform.

Low battery alarm sms content example: "Battery low alarm!Data time:10-11-23 23:23:12, http://maps.google.com/maps?q=N17.867238,E78.424356.

Note: The specific numbers should be preset,

## 8.4 Vibration alarm

**level set:** SENSORSET,0#
where 0= 0,1,2,3,4,5
sub window choose ur vibration sensor level in incresing order

Note:
Normally we don't suggest to open phone call alarm function. The specific numbers should be preset, just refer to 6.3. SMS "SENSORSET,0#"to turn off vibration alarm, to turn on again SMS "SENSONSET,5#"

## 8.5 Over speed Alarm

**over speed alert**
**SPEED,3,60#**

where 3= 1,2,3,4,5,6,7,8,9,10
subwindow heading = choose speed time in minutes
60= 40,60,80,100,120, 140,160,180, 200,300
sub window heading= choose speed in km/hr

8.6 Fence alarm:
**on: FENCE,ON,0,latitude,longitude,radiusIN#**
where
latitude and longitude where user will enter numbers manually
radius= radius in kms
value from 0,1,2,3,4,5,6,7,8,9,10,20,30,40,50 60,70,80,90,99
IN= IN and OUT
sub window heading: choose geo fence in&out
**off: FENCE,OFF#**

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5.for other network sim card apn names: http://www.gpstracker.net.in/download/apnnames.pdf

6. this sevice carries 2 year warranty from the date of server registration

**If you have any more queries regarding installation please can call us on 09700025002 or 040 64559002 or mail us at contactus@gpstracker.net.in website: http://www.gpstracker.net.in**

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